Comparisons of Job Characteristics

Focus Occupation: Cost Estimators (13-1051)
Associated Occupation: Operations Research Analysts (15-2031)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Cost Estimators (13-1051)
Associated Occupation: Operations Research Analysts (15-2031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematics	9.2	24.4	19.0	<<	Extensive education and/or training may be required
Computers and Electronics	8.4	15.0	12.0	<	Expanded education and/or training may be required
Engineering and Technology	5.7	14.2	14.6	0	Current knowledge level may be sufficient
Administration and Management	8.4	11.9	11.3	0	Current knowledge level may be sufficient
Production and Processing	6.0	11.3	9.3	<	Expanded education and/or training may be required
Economics and Accounting	4.4	8.0	11.0	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 68

Focus Occupation: Cost Estimators (13-1051)
Associated Occupation: Operations Research Analysts (15-2031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematics	6.2	16.9	13.5	<<	Extensive development of skills in this area may be required
Complex Problem Solving	9.1	15.4	11.2	<<	Extensive development of skills in this area may be required
Critical Thinking	10.8	15.2	13.3	<	A higher skill level may be required
Systems Evaluation	6.4	15.1	8.3	<<	Extensive development of skills in this area may be required

Systems Analysis	6.5	14.5	10.1	<<	Extensive development of skills in this area may be required
Judgment and Decision Making	9.4	14.2	11.0	<<	Extensive development of skills in this area may be required
Active Learning	8.7	13.6	10.6	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	13.5	6.2	<<	Extensive development of skills in this area may be required
Science	4.5	11.3	2.8	<<	Extensive development of skills in this area may be required
Programming	2.2	5.8	3.8	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities — Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Cost Estimators (13-1051)
Associated Occupation: Operations Research Analysts (15-2031)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematical Reasoning	6.3	17.3	13.9	<<	Extensive improvement in abilities may be required
Written Comprehension	11.0	15.7	12.3	<<	Extensive improvement in abilities may be required
Number Facility	6.3	15.1	14.6	0	Current ability level may be sufficient
Deductive Reasoning	10.6	15.0	12.6	<	Some improvement in abilities may be required
Written Expression	9.8	14.5	11.2	<<	Extensive improvement in abilities may be required
Inductive Reasoning	10.2	14.2	11.2	<<	Extensive improvement in abilities may be required
Fluency of Ideas	7.6	13.3	10.1	<<	Extensive improvement in abilities may be required
Originality	7.6	11.9	8.5	<<	Extensive improvement in abilities may be required
Category Flexibility	9.0	11.5	10.4	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common — Similarity of Focus Occupation to Associated Occupation: 76

Focus Occupation: Cost Estimators (13-1051)
Associated Occupation: Operations Research Analysts (15-2031)

Work Activities	Exclusivity of Activity

Use cost benefit analysis techniques	77
Use spreadsheet software	18
Use statistical cost estimation methods	92

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Cost Estimators (13-1051)
Associated Occupation: Operations Research Analysts (15-2031)

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Data management and query software	1
Finance accounting and enterprise resource planning ERP software	2
Industry specific software	1
Information exchange software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.